

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A method for crystallization of proteins and peptides, ~~characterized in that~~ wherein (a) a protein solution or a peptide solution, in which the solvent is water, and (b) a polymer solution, in which alginate or dextrin or chitosan or pectin or hydrolysate of any above mentioned polymer or a mixture of any above mentioned polymer is dissolved in water, are prepared and that the prepared solutions (a) and (b) are mixed together and that after the combining the protein or the peptide crystallizes permanently.
2. (currently amended) The method according to claim 1, ~~characterized in that~~ wherein the crystallizing polymer solution contains alginate or a gel thereof 8% or less.
3. (currently amended) The method according to claim 1, ~~characterized in that~~ wherein the crystallizing polymer solution contains dextrin 30% or less.
4. (currently amended) The method according to claim 1, ~~characterized in that~~ wherein the crystallizing polymer solution contains chitosan or a gel thereof 1% or less.
5. (currently amended) The method according to claim 1, ~~characterized in that~~ wherein the crystallizing polymer solution contains pectin or a gel thereof 9% or less.
6. (currently amended) The method according to claim 1, ~~characterized in that~~ wherein the crystallizing solution is a mixture of two or more of the polymers.

7. (currently amended) The method according to ~~any one of above claims~~ characterized in that claim 1, wherein the crystallizing polymer is hydrolyzed.

8. (currently amended) The method according to ~~any one of above claims,~~ characterized in that claim 1, wherein the crystallization occurs either under stirring or without stirring within 1-7 days.

9. (currently amended) The method according to ~~any one of above claims,~~ characterized in that claim 1, wherein it can be used for preparing crystals, the size of which is 1-100 micrometers.

10. (currently amended) The method according to ~~claims 1-9,~~ characterized in that claim 1, wherein by stirring continuously during the crystallization very small crystals can be prepared, the size of which is in the range of 1-10 micrometers.

11. (currently amended) The method according to ~~claims 1-10,~~ characterized in that claim 1, wherein the protein or the peptide crystallized like this may float freely as uniform suspension, which can be fed with moderate pressure through a capillary.